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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Peter LARSSON

Serial No. 10/584,132

Filed: June 23, 2006

For: ADVANCED MULTI-SENSOR PROCESSING



Atty. Ref.: 4147-161

Group: 2617

Examiner: Unknown

\* \* \* \* \*

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449.

- ☐ All listed documents are attached.
- ☒ Copies of U.S. Patent Publications are not required and are not attached.
- ☒ Listed foreign patent publications and other documents are enclosed.
- ☐ The partial translations were provided to the undersigned by the applicants'

foreign representative. The undersigned has no knowledge regarding the pertinency of the partially translated portions vis-à-vis the document as a whole. The partial translations are merely provided for whatever convenience they may be.

☒ The listed documents were cited in the ISR and listed on the PTO/SB/08a filed June 23, 2006. Applicant provides copies of the references cited in the application as well as in the International Search Report.

This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

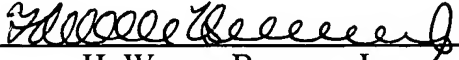
The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Peter LARSSON  
Serial No. 10/584,132

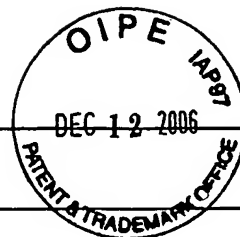
The Commissioner is authorized to charge the undersigned's deposit account #14-1140 in whatever amount is necessary for entry of these papers and the continued pendency of the captioned application.

Respectfully submitted,  
NIXON & VANDERHYE P.C.

December 12, 2006

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**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

4147-161

APPLICANT

Peter LARSSON

FILING DATE

June 23, 2006

SERIAL NO.

10/584,132

GROUP

2617

(Use several sheets if necessary)

**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|---------|----------------|-------|----------|-------------------------------|
|                      | 6,320,852       | 11/2001 | Obuchi et al.  |       |          |                               |
|                      | 6,445,342       | 9/2003  | Thomas et al.  |       |          |                               |
|                      | 6,640,088       | 10/2003 | Thomas et al.  |       |          |                               |
|                      | 6,452,981       | 9/2002  | Raleigh et al. |       |          |                               |
|                      |                 |         |                |       |          |                               |
|                      |                 |         |                |       |          |                               |
|                      |                 |         |                |       |          |                               |
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**FOREIGN PATENT DOCUMENTS**

| DOCUMENT    | DATE   | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|-------------|--------|---------|-------|----------|-----------------------|
| 02/37872 A2 | 5-2002 | WO      |       |          |                       |
|             |        |         |       |          |                       |
|             |        |         |       |          |                       |
|             |        |         |       |          |                       |

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

|  |  |
|--|--|
|  | Zhang et al, "Multiuser Detection with Cell Diversity for DS/CDMA Systems", IEEE, vol. 2, 23 September 2000, pp. 670-672   |
|  | Grant et al, "Inter-cell Interference Cancellation for TD-CDMA Mobile Systems", IEEE vol. 1, 18 September 2000, pp. 720-723  |
|  | Holtzman, "DS/CDMA Successive Interference Cancellation", Spread Spectrum Techniques and Applications, IEEE ISSSTA '94, IEEE Third International Symposium on Oulu, Finland, 4-6 July 1994, New York, NY 4 July 1994, pp. 69-78  |
|  | Anton-Haro et al, "Interference Cancellation for Third Generation Mobile Radio Systems", Personal, Indoor and Mobile Radio Communications, 1997, Waves of the Year 2000, PIMRC '97, the 8 <sup>th</sup> IEEE International Symposium on Helsinki, Finland, 1-4 September 1997, New York, NY, vol. 1, 1 September 1997, pp. 32-36 |
|  | 2001, Artech House, XP002316704, pp. 48-51   |
|  | Chang et al, "Construction of Equivalent Scalar Channels for Orthogonal Space-Time Coding"   |
|  | Wong et al, "Space-Time Coding", August 19, 2003   |
|  | Bakker et al, "An Uplink Protocol Implementation in a Virtual Cellular Network",   |
|  | Mucchi, LMMSE Receivers Performance Under Non-Ideal Conditions", PIMRC 2002  |
|  | "W-CDMA Mobile Communications System", edited by Keiji Tachikawa, Wiley & Sons, 2002, pp. 56-59, 66-73   |
|  | Kettunen, "Soft Detection and Decoding in Wideband CDMA Systems", Report 38, March 2003  |

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)